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File 348:EUROPEAN PATENTS 1978-2003/Nov W03

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File 349:PCT FULLTEXT 1979-2002/UB=20031120,UT=20031113

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Dialog
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Set	Items	Description
S1	284886	AUTOMATE? ? OR AUTOMATIC OR AUTOMATING OR COMPUTERI? OR SO- FTBOT? OR BOT OR BOTS OR (SOFTWARE OR INTERFACE OR INTELLIGEN- T) (W)AGENT OR IA OR SYMBOT? OR WIZARD OR DAEMON
S2	820902	BUY??? OR PURCHAS??? OR PROCUR??? OR ACQUIR??? OR OBTAIN???
S3	1089889	COMPUTER OR STORAGE OR MEMORY OR ROM OR SYSTEM OR HARDWARE OR SOFTWARE
S4	307078	UPGRAD??? OR UPDAT??? OR EXPAND??? OR EXPANSION OR UP() DAT- ???
S5	1298072	DETERMIN??? OR ASCERTAIN??? OR APPRAIS??? OR ASSESS? OR ES- TIMAT? OR DETECT??? OR FIND??? OR DISCOVER??? OR SENS??? OR I- DENTIF? OR MEASUR? OR QUANTIF? OR GAUG??? OR EVALUAT??? OR CH- ECK???
S6	669396	REQUIREMENTS OR CAPABILIT??? OR CONFIGURATION OR CAPACITY
S7	80268	INTERNET OR WORLD()WIDE()WEB OR WORLDWIDWEB OR WORLDWIDE(-)WEB OR WORLD()WIDEBWEB OR (WEB OR HOME)() (PAGE? ? OR SITE? ?) OR WEBPAGE? ? OR HOMEPAGE? ? OR WEBSITE? ? OR GLOBAL() (COMPUT- ER OR COMMUNICATION? ?) ()NETWORK OR ONLINE
S8	12157	S1(10N)S2
S9	44543	S3(5N)S4
S10	71240	S5(5N)S6
S11	16	S8(S)S9(S)S10
S12	40072	IC=G06F-017?
S13	14	S11 AND (S7 OR S12)/
S14	14	IDPAT (sorted in duplicate/non-duplicate order)
S15	14	IDPAT (primary/non-duplicate records only)

all considered

15/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01248133

METHOD FOR DETERMINING SOFTWARE AND PROCESSOR
METHODE ZUR SOFTWARE- UND PROZESSORERKENNUNG
PROC D PERMETTANT DE D TERMINER UN LOGICIEL ET UN PROCESSEUR
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PRIORITY (CC, No, Date): JP 99174730 990621

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Total word count - document A			217408
Total word count - document B			0
Total word count - documents A + B			217408

...SPECIFICATION The software of correct-solution, mentioned here, means a software satisfying the conditions that the *software*, that is, the requirement and the series of codes be created identically as if they... their differences as those in kinds of objective media, thus, becomes applicable to not only *online* but also batch process.

Further, in simulating on a computer the universal mechanism of the... to specify codes.

(4) In this instance, when it is judged necessary to define operational *requirements* (a data code generation calculating formula and justification conditions) as a result of such automatic...

15/3,K/8 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE
DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET
PROCEDE ASSOCIE

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Application: WO 2000US32310 20001122 (PCT/WO US0032310)
Priority Application: US 99444653 19991122; US 99447623 19991122
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
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Main International Patent Class: *G06F-017/60*

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... and. this information is manually reentered after installation of the improved PBX or central office *system*. Thus, since equipment 1 0 *upgrades* impact each and every user in a facility, a significant devotion of resources is required...

...through asset tracking in an e-Commerce-based supply chain framework. Features include automatically caching *web* content, providing proxy services, managing load balancing such as spreading tasks among servers and rerouting...illustration of one embodiment of the present invention for facilitating a virtual shopping transaction by *ascertaining* needs of a user;

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Figure 60 is an illustration of one embodiment of the...

...flowchart for a method for interacting with a user over a network for personalizing a *website* in accordance with an embodiment of the present invention; Figure 97 depicts the Relationship Management...with an embodiment of the present invention; Figure 113 shows a sample architecture in an *online* advertising scenario; Figure 114 illustrates an exemplary security architecture in an online advertising scenario; Figure...

...security architecture in a customer support scenario; Figure 119 depicts a sample architecture in an *online* banking scenario; Figure 120 shows an exemplary security architecture in an *online* banking scenario; Figure 121 illustrates a sample architecture in an *online* shopping scenario; Figure 122 shows an exemplary security architecture in an *online* shopping scenario; Figure 123 illustrates a flowchart for a method for manipulating data about a...in the following areas.

- o Poor performance;
- Restricted user interface capabilities;
- Can only produce static *Web* *pages*;
- Lack of interoperability with existing applications and data; and
- 0 Inability to scale.

Sun Microsystem...

Claim

... Figure 52

52/129

5302

5300 5314 5316 5306 5308 5310

Security Services Network Services *Internet* Services

er @aa51-- 5efv ces HTTID P2go Filo Transfer SeNices

luthanticatio- @e(mRoAeDilUs Sendering (FTP...FRAMEWORK

7806

PROVIDING FILE TRANSFER SERVICES OVER THE NETWORK

FRAMEWORK

GATHERING AND LOGGING INFORMATION OF *ONLINE* EVENTS DURING 780',

ONLINE SESSIONS OVER THE NETWORK FRAMEWORK

INTERFACING APPLICATIONS VIA PREDETERMINED PROTOCOLS OVER 7810

THE NETWORK FRAMEWORK...

15/3,K/11 (Item 11 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A
MARKET SPACE INTERFACE

PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE
PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ

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DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK

LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Main International Patent Class: *G06F-017/60*

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... accordance with one embodiment of
the present invention;

Figure 78 is a flowchart illustrating the *internet* services in
accordance with one embodiment of

the present invention;

Figure 79 is a flowchart user over a network for personalizing a

website in accordance with an embodiment of the present invention;

Figure 97 depicts the Relationship Management...

...with an embodiment of the present invention;
Figure 113 shows a sample architecture in an *online* advertising scenario; Figure 114 illustrates an exemplary security architecture in an *online* advertising scenario; Figure 115 depicts a sample architecture providing direct network access to several of...

...architecture in a customer support scenario;

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Figure 119 depicts a sample architecture in an *online* banking scenario; Figure 120 shows an exemplary security architecture in an *online* banking scenario; Figure 121 illustrates a sample architecture in an *online* shopping scenario; Figure 122 shows an exemplary security architecture in an *online* shopping scenario; Figure 123 illustrates a flowchart for a method for manipulating data about a...preferred embodiment of the invention utilizes HyperText Markup Language (HTML) to implement documents on the *Internet* together with a general-purpose secure communication protocol for a transport medium between the client

...J. Gettys and J.C. Mogul, "Hypertext Transfer Protocol -- HTTP/ 1. 1: HTTP Working Group *Internet* Draft" (May 2, 1996). HTML is a simple data format used to create hypertext documents...

...representing information from a wide range of domains.

HTML has been in use by the *World*-wide *Web* global information initiative since 1990. HTML is an application of ISO Standard 8879; 1986

...

...inadequate in the following areas.

Poor performance;
Restricted user interface capabilities;
Can. only produce static *Web* *pages*;
Lack of interoperability with existing applications and data; and
Inability to scale.

Sun Microsystem's...side validation, offloading

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appropriate processing onto the client for improved performance. Dynamic, real-time *Web* *pages* can be created. Using the above-mentioned custom UI components, dynamic *Web* *pages* can also be created.

Sun's Java language has emerged as an industry-recognized language for "programming the *Internet*." Sun defines Java as: "a simple, object-oriented, distributed, interpreted, robust, secure, architecture-neutral, portable, high-performance, multithreaded, dynamic, buzzwordcompliant, general-purpose programming language. Java supports programming for the *Internet* in the form of platform-independent Java applets." Java applets are small, specialized applications that...

...ActiveX Technologies, to give developers and Web designers wherewithal to build dynamic content for the *Internet* and personal computers. ActiveX includes tools for developing animation, 3-D virtual reality, video and other multimedia content. The tools use *Internet* standards, work on multiple platforms, and are being supported by over 100 companies. The...DTMF Dual-Tone Multi-Frequency
GSM Global System for Mobile Communications
IN Intelligent Network
IP *Internet* Protocol
JPEG Joint Picture Expert Group
LMDS Local Multi-Point Distribution Service
MPEG Moving Picture...an effort to clearly communicate exactly how we define NM/MNS we have created an *online* catalog of services. The ...

Within each of these processes are a number of core functions and subfunctions. The NINS *Online* Catalog contains all of this information, including the supporting process, technology and organizational solutions for...

...Media and textual databases are also provided by the information services manager. The databases includes *online* manuals for administrative purposes, as well as for the maintenance specialists to access element specific...distinct and non-interoperable (example: voice versus web access).

With the rapid explosion of the *Internet*, and innovation in packet based technologies, the IP based data network has become the dominant...

...from this usage because third party service providers have been the termination point of these *internet* data users. The incumbents have begun to devise intelligent network solutions for this data traffic...

...point conference, enhanced security & authentication, various classes of media transport services, numerous automations in electronic *internet* commerce activities e.g. banking, shopping, customer care, education, etc. As the NGN matures third...

...will combine applications such as electronic commerce (procurement, warehousing, distribution andju@Hlment) as well as *online* banking to present the consumer with an integrated boundless shopping experience.

Growth of bandwidth in...video broadcast.

Cable service providers are now upgrading their cable infrastructure to support high speed *internet* access. Thus in the "NGN" scenario for cable networks, cable will provide a new access...particular user based on more global infori-nation.

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Billing information would also be provided *online*. A user could enter a pre-arranged billing number or the ability to bill to...

...except that more than one caller could be joined without intervention of the calling party, *Internet* callers are supported and an operator can be joined as required.

Before describing this aspect of the present invention, a description of *internet* environment is presented.

Internet

The *Internet* is a method of interconnecting physical networks and a set of conventions for using networks that allow the computers they reach to interact. Physically, the *Internet* is a huge, global network spanning over 92 countries and comprising 59,000 academic, commercial...

...year. Furthermore, there are about 10 million host computers, 50 million users, and 76,000 *World*-*Wide* *Web* servers connected to the *Internet*. The backbone of the *Internet* consists of a series of high-speed communication links between major supercomputer sites and educational...

...research institutions within the U.S. and throughout the Protocols govern the behavior along the *Internet* backbone and thus set down the key rules for data conu-nunication. Transmission Control Protocol/*Internet* Protocol (TCP/IP) has an open nature and is available to everyone, meaning that it...

...are publicly available in standards documents, particularly in Requests for Comments (RFCs). A requirement for *Internet* connection is TCP/IP,

which consists of a large set of data communications protocols, two of which are the Transmission Control Protocol and the *Internet* Protocol.

The International Telecommunication Union-Telecommunication Standardization Sector ("ITU") has established numerous standards governing protocols...

...voice, video and data on a single communications link.

RTP Real-Time Transport Protocol, an *Internet* Standard Protocol for transmission of real-time data like voice and video over unicast and multicast networks.

IP Internet Protocol, an *Internet* Standard Protocol for transmission and delivery of data packets on a packet switched network of...

...Video and Audio including the bit stream but not the compression algorithms.

SLIP Serial Line *Internet* Protocol

RSVP Resource Reservation Setup Protocol

UDP User Datagram Protocol

The popularity of the TCP/IP protocols on the *Internet* grew rapidly because they met an important need for worldwide data communication and had several...

...that allows any device running TCP/IP to uniquely address any other device on the *Internet*.

Open protocol standards, freely available and developed independently of any hardware or operating system. Thus, TCP/IP is capable of being used with different hardware and software, even if *Internet* communication is not required.

Independence from any specific physical network hardware, allows TCP/IP to...

...systems is required to appreciate the recent steps taken by key players in today's *Internet* backbone business. The traditional type of communication network is circuit switched. The U.S. telephone...used in computer networks because of the superiority of packet switching.

To better understand the *Internet*, a comparison to the telephone system is helpful. The public switched telephone network was designed...grade telephone line. New technology, however, has been improving the performance of these lines.

The *Internet* is composed of a great number of individual networks, together forming a global connection of...

...we can investigate how the networks are connected together to form an internetwork, or an *internet*. At this point, *internet* gateways and *internet* routers come into play.

In terms of architecture, two given networks are connected by a computer that attaches to both of them. *Internet* gateways and routers provide those links necessary to send packets between networks and thus make connections possible. Without these links, data communication through the *Internet* would not be possible, as the information either would not reach its destination or networks over the *internet*.

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E? Routers are also computers that connect networks and is a newer term preferred...

...Level Communication for Smooth User Connection

In addition to the data transfer functionality of the *Internet*, TCP/IP also seeks to convince users that the *Internet* is a solitary, virtual network. TCP/IP accomplishes this by providing a universal interconnection among...

...physical networks, software is required on each host to allow application programs to use the *Internet* as if it were a single, real physical network.

The basis of *Internet* service is an underlying, connectionless packet delivery system run by

Yi

routers, with the basic unit of transfer being the packet. In internets running TCP/IP, such as the *Internet* backbone, these packets are called datagrams. This section will briefly discuss how these datagrams are routed through the *Internet*.

In packet switching systems, routing is the process of choosing a path over which to...

...host on the same network, the datagrams that are sent do not actually reach the *Internet* backbone. This is an example of internal routing, which is completely self-contained within the...

...communication is what we think of when we speak of routing information across the *Internet* backbone. In indirect delivery, routers are required. To send a datagram, the sender

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identify...just keeps track of physical networks (of which there are thousands). Essentially, routers in the *Internet* form a cooperative, interconnected structure, and datagrams pass from router to router across the backbone...

...they reach a router that can deliver the datagram directly.

The changing face of the *internet* world causes a steady inflow of new systems and technology.

The following three developments, each...

...in the level of analysis, testing, scheduling, and training in all disciplines of the ISP.

Internet Service Potential

Real-time view of the status of each conference call participant, ANI and ...HP OV Network Node Manager and forwards events to the Omnibus Netcool Object Server.

Microinuse *Internet* Service Monitors 4618- An Omnibus Netcool suite of active probes (monitors) which monitor *internet* services such as FTP, POP3, SMTP, NNTP, DNS, HTTP, and RADIUS. These monitors collect availability 4630 - An *internet* mail message send using the UNIX mail utility.

The mail message is frequently used to...Media and textual databases are also provided by the information services manager. The databases includes *online* manuals for administrative purposes, as well as for the maintenance specialists to access element specific...prior art product support techniques.

In addition, one embodiment of the present invention makes the *Internet* a viable alternative to telephone calls as a tool for providing consumer product support. Many...

...as a part of their on-line service, software for connecting to and accessing the *Internet*.
The *Internet* access software accesses and "handshakes" with an " *Internet* Entry Server", which verifies the PIN number, provides the access and times the users access time, The *Internet* Entry Server is programmed to recognize the PIN number as entitling the user to a limited prepaid or "free" *Internet* access
121
time for on-line help services. Such a time period could be for...

...the sponsor/vendor, The first time a customer uses the on-line help service, the *Internet* Entry Server performs a registration process which includes a number of personal questions and custom...

...by the user.

The pertinent answers are then immediately provided to the sponsor/vendor. The *Internet* Entry Server then "hot-links" the customer to the sponsor/vendor's Internet domain or *Home* *Page* for a mandatory "guided tour" where the user is exposed to any current product promotion

...upon termination of the on-line help session, access to other information on the *Internet* can be provided. Once the "free" on-line help service time or time period is up, the *Internet* Entry Server prompts the user with one or more of a plurality of options for extending the availability of *online* help. For example, the user can be prompted to enter a credit card number to...over the hybrid network during a data session. This data session is typically a normal *Internet* browsing session, and is generally initiated by a web browser. Utilizing a web browser, users begin the data session by performing actions such as searching for *web* *sites* or downloading data from *Internet* sites. During the data session, the present invention allows users the option to initiate phone...

...both the original data from the data session and the new IP telephony data use *Internet* protocol, the present invention can provide a seamless integration of the two, to provide virtually...

...124
duplicate databases located on different networks. Using a rules database, a user utilizing the *Internet* in Europe can get the same telephony service as provided in the United States, as described above. Preferably the computer used to interface with the *Internet* includes multimedia equipment such as speakers and a microphone. Utilizing a multimedia equipped computer allows a user to use telephonic communication with little or no disruption while interfacing with the *Internet*. Multimedia computer speakers are used to receive the telephony audio from the network and the...items in the databases. Recently, artificial intelligence techniques have been employed to assist users in *discovering* these relationships and, in some cases, in automatically *discovering* the relationships.

Figure 52 is a flowchart showing a Data Mining Process 5200 in accordance ...The foregoing embodiments of the present invention may be employed in the generation of an *Internet* architecture framework like the one shown in Figure 53 to support various features such as...

...solution for users of computers, other electronic appliances, networks,
128
and the information highway.

The *Internet* is a method of interconnecting physical networks and a set of conventions for using networks that allow the computers they reach to

interact. Physically, the *Internet* is a huge, global network spanning over 92 countries and comprising 59,000 academic, commercial... Furthermore, there are about 10 million host computers, 50 million users, and 76,000 *World*-wide *Web* servers connected to the *Internet*. The backbone of the *Internet* consists of a series of high-speed communication links between major supercomputer sites and educational...

...research institutions within the U.S. and throughout the Protocols govern the behavior along the *Internet* backbone and thus set down the key rules for data communication. Transmission Control Protocol/Internet...

...are publicly available in standards documents, particularly in Requests for Comments (RFCs). A requirement for *Internet* connection is TCP/IP, which consists of a large set of data communications protocols, two of which are the Transmission Control Protocol and the *Internet* Protocol.

The International Telecommunication Union-Telecommunication Standardization Sector ("ITU-T") has established numerous standards governing protocols...voice, video and data on a single communications link.

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EP *Internet* Protocol, an *Internet* Standard Protocol for transmission and delivery of data packets on a packet switched network of...

...Video and Audio including the bit stream but not the compression algorithms.

SLIUP Serial Line *Internet* Protocol
RSVP Resource Reservation Setup Protocol
UDP User Datagram Protocol

The popularity of the TCP/IP protocols on the *Internet* grew rapidly because they met an important need for worldwide data communication and had several...

...that allows any device running TCP/IP to uniquely address any other device on the *Internet*.

Open protocol standards, freely available and developed independently of any hardware or operating system. Thus...

...systems is required to appreciate.

the recent steps taken by key players in today's *Internet* backbone business. The traditional type of communication network is circuit switched. The U.S. telephone...many minutes, rendering message switching useless for interactive traffic.

Packet switched networks, which predominate the *computer* network industry, divide data into small pieces called packets that are multiplexed onto high capacity...

...in computer networks because of the superiority of packet switching.

133

To better understand the *Internet*, a comparison to the telephone system is helpful. The public switched telephone network was designed...

...grade telephone line. New technology, however, has been improving the performance of these lines.

The *Internet* is composed of a great number of individual networks, together forming a global connection of...

...the networks are connected together to form an internetwork, or an internet. At this point, *internet* gateways and *internet* routers come into play.

In terms of architecture, two given networks are connected by a computer that attaches to both of them. *Internet* gateways and routers provide those links necessary to send packets between networks and thus make connections possible. Without these links, data communication through the *Internet* would not be possible, as the information either would not reach its destination or networks...Level Communication for Smooth User Connection In addition to the data transfer functionality of the *Internet*, TCP/IP also seeks to convince users that the *Internet* is a solitary, virtual network. TCP/IP accomplishes this by providing a universal interconnection among...

...physical networks, software is required on each host to allow application programs to use the *Internet* as if it were a single, real physical network.

The basis of *Internet* service is an underlying, connectionless packet delivery system run by routers, with the basic unit of transfer being the packet. In internets running TCP/IP, such as the *Internet* backbone, these packets are called datagrams. This section will briefly discuss how these datagrams are routed through the *Internet*.

In packet switching systems, routing is the process of choosing a path over which to...

...host on the same network, the datagrams that are sent do not actually reach the *Internet* backbone. This is an example of internal routing, which is completely self-contained within the...

...of communication is what we think of when we speak of routing information across the *Internet* backbone. In indirect delivery, routers are required. To send a datagram, the sender must identify...

...just keeps track of physical networks (of which there are thousands). Essentially, routers in the *Internet* form a cooperative, interconnected structure, and datagrams pass from router to router across the backbone...

...they reach a router that can deliver the datagram directly.

The changing face of the *internet* world causes a steady inflow of new systems and technology.

The following three developments, each...given content model (such as distribution of entertainment on CD-ROM, content delivery from an *Internet* repository, or electronic catalog shopping and advertising, or some combination of the above) participants would...in any one of a plurality of currencies such as electronic and foreign.

Recently, an *online* shopping system which allows examination, selection and order of items through a computer has been put into practice. In such an *online* shopping system, in order to supplement a disadvantage by a gap from ordinary shopping caused...

...used in a shop such as supermarket is proposed. In this function, items on the *online* shopping are temporarily added to a purchase list and a process of order and purchase...

...display page as a catalog which the consumer watches as it is realized in the *online* shopping system mainly on the *World* *Wide* *Web*. As

another method of proving the shopping basket, there is a method for separately displaying...

...used in the shopping system provided by a CD-ROM.

A main stage of the *online* shopping is an item catalog screen on which information on the items is provided. The...the above problem is solved.

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Further, as a feature of an application on the *Internet* such as the *World* *Wide* *Web*, high freedom of both information provider and user is pointed out. For example, the user...

...preparing the contents. It may be good that the user interface is uniform in one *online* shop but when it is applied across a plurality of *online* shops of various items and scales, free design cannot be conducted. This forces to the...

...of the browser at a specified size and hence it does not conform to the *Internet*.

In accordance with the present invention, an interface for providing the shopping basket function is provided as a separate shopping basket window from a catalog window on which *online* shop item data is displayed. The shopping basket window is displayed on the catalog window

...cost)

Saves solutions to be retrieved at later point

Adds solutions to shopping cart

Provides *online* ROI tool to guide selection process

Provides web call-through for further user support

With...of goods and services.

To meet this need, several companies have developed computer architectures for *online* electronic catalog sales using, for example, the *Internet* as a transport mechanism to transmit data representing purchase requests between a proprietary browser and server product pair.

For example, Netscape Communications uses its Navigator/Netsite *World* *Wide* *Web* (WWW) browser/server pair. A buyer uses a Navigator to select a seller's Netsite...

...Any of the foregoing types of browsers may be employed to access various databases via the *Internet* in order to conduct electronic commerce-related business. Typical database or rule-based shopping cart...center. The self-service terminal normally operates off-line.

Payment for items purchased over the *Internet* is also a concern. Today, approximately 350 billion coin and currency transactions occur between individuals...the control of the customer over a publicly accessible packet-switched network (e.g., the *Internet*) to the computer operating under the control of the merchant, without risking the exposure of...

...services.

Such secure payment technologies include Secure Transaction Technology (CM), Secure Electronic Payments Protocol ("SEPP"), *Internet* Keyed Payments ("IKP"), Net Trust, and Cybercash Credit Payment Protocol. One of ordinary skill in...

...it is already incorporated into widely available software that many people utilize as their standard *Internet* access medium, and does not require that the customer interact with any third-party certification...

...be incorporated into software already in use by the customer, e.g., the Netscape Navigator *World* *Wide* *Web* browsing tool. However, although a computer, on an SSL connection may initiate a second SSL...

...protocols can be substituted for the SSL transmission protocol without undue experimentation.

Banks desire an *Internet* payment solution that emulates existing Point of Sale (POS) applications that are currently installed on...value-added services that a merchant may not be able to obtain at another bank., *Internet*-based payment solutions require additional security measures that are not found in conventional POS terminals. This additional requirement is necessitated because *Internet* communication is done over publicly-accessible, unsecured communication line in stark contrast to the private...

...traditional merchant and an acquiring bank. Thus, it is critical that any solution utilizing the *Internet* for a communication backbone, employ some form of cryptography.

164

As discussed above, the current state-of-the-art in *Internet* based payment processing is a protocol referred to as SET. Since the SET messages are...

...computer communications, many companies are becoming interested in advertising and supporting their products using an *online* computer service that can be accessed by customers. However, creating a large *online* computer service is an extensive task. To develop a sophisticated *online* service, such as America *Online*.RTM., CompuServe.RTM., Genie.RTM., or Prodigy.RTM., a company must have a large mainframe...

...the resources required to develop such systems, and thus cannot easily develop and maintain an *online* presence.

One way a company can contact millions of potential customers is to use the global *Internet*. The global *Internet* is a network of computer networks that link, together millions of computer systems using the...

...TCP/IP protocol.

165

A new method of distributing and viewing information known as the *WorldWide* *Web* has recently become very popular on the global *Internet*. The *WorldWide* *Web* is a collection of servers connected to the *Internet* that provide multimedia information to users that request the information. The users access the information...

...called "browsers" to display the multi-media information..

known as HyperText Markup Language (HTML). The *World*-wide *Web* serversk distribute the RTML formatted documents using a specific communication protocol known as the HyperText Transfer Protocol (HTTP).

To access the multi-media information available on *World*-wide *Web* servers, a user runs a client browser program that accesses the HTML formatted documents stored on the HTTP servers connected to the global *Internet*. The client browser program retrieves the formatted information and

provides the information in an appropriate...

...Mosaic", one popular client browser program, is widely available to the users of the global *Internet*.

For a company that wishes to develop an *online* presence, creating a *World* *Wide* *Web* Server would provide a feature rich *online* service available to customers and clients. A *World*-*Wide* *Web* Server can store images,, text, animation, and sounds that provide information about the company.

Furthermore, *World*-*Wide* *Web* Servers can be implemented on relatively

166
simple computer systems, including personal computers.

Most *World*-*Wide* *Web* Servers are coupled to the global *Internet*. By deploying a *World*-*Wide* *Web* Server on the global *Internet* a company would create *online* service that is accessible to the millions of global *Internet* users. Alternatively, a company can deploy a HTTP server that is available to customers through...

...dial-up HTTP server would be accessible to customers and clients that do not have *Internet* access. Thus, by creating a simple HTTP server, any organization or corporation can create an *online* presence.

However, quickly creating the HTML formatted documents required for a Many 'rogramming development tools...order entry systems Four different types of commercial transactions might commonly occur in a commercial *online* service. First, a user may be charged for the right to access all or parts of a useful publicly accessible *online* system. Second, the *online* service may pay the user for performing some type of action such as winning a contest or completing a marketing survey. Third, an *online* service may charge a content provider for placing certain information on the *online* service. For example, a content provider can be charged for placing an advertisement on the *online* service. Finally, a content provider can be paid by the *online* service for providing information that users may wish to access, can be can be provided on a for-fee basis. Conversely, an *online* service provider may wish to pay third party content providers for placing useful material on the *online* service.

Thus, when creating a publicly accessible *online* system, it is desirable to include the ability to define fee structures for accessing parts of the *online* system and/or ordering other goods or services. However, creating a sophisticated commercial *online* service with such features usually requires specialized programming.

ADVERTISEMENT AND PROMOTION CAPABILITIES

169
Provides cross...or in a similar content and/or presentation editing capacity.

171
Distributing information via the *Internet* or other publicly accessible computer communication networks has been largely unsupported by advertising revenues due...

...mixtures from other contexts, such as newspapers and television, have been simply replicated on the *Internet*. For instance, some newspapers have been "published" at least in part on the *Internet*, and include advertisements along with information content. In fact, some newspapers sell advertising space on an associated *World* *Wide* *Web* (WWW) site,

which often includes extensive listings of certain types of advertisements such as real...software.

In the instance where a software vendor offers a choice between CPU-locked and *site* licensed software, it is the number of expected users at a purchasing company which affects...

Claim

... th
Network
Figure 52
5300 5314 5316 5302 5306 5308 5310
Security Services Network Services *Internet* Services
Sewl Pandanng (FTP)
Browser Based HTTP Page FileTraru;ferSaNiCeS 7e4APPljC
A,fthntiraton "IROED11.1...PROVIDING FILE TRANSFER SERVICES OVER THE
NETWORK 7806
FRAMEWORK
7101
GATHERING AND LOGGING INFORMATION OF *ONLINE* EVENTS DURING
ONLINE SESSIONS OVER THE NETWORK FRAMEWORK
7810
INTERFACING APPLICATIONS VIA PREDETERMINED PROTOCOLS OVER
THE NETWORK FRAMEWORK...rO F acornmerce
Solution n (D Toolset
0
eCornrnerm.ling o.es 0
90(
eCornmerce
Internet
Applications
Maps to w
Products ((OD
W
eCornmerce
Transactional
CD
Infrastructure
Enabling Technology
9104
Figure...Server Server
n
Database
Electronic Commerce LAN Firewall Packet filte
Router
Server E
en ng
Internet
rn n Dial-up
Administration Ms Merchant yment Service@
Database RAN
Figure 121
12206 12202...

15/3,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761424
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES
DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE
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LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK
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Detailed Description
Claims

Detailed Description

... accordance with one
embodiment of the present invention;
Figure 29 is a flowchart illustrating the *internet* services in
accordance with one
embodiment of the present invention;
Figure 30 is a flowchart...A plurality of components are shown which are
necessary to afford various activities over the *Internet*.

Such components may include: an electronic commerce component, a content
channels component, an administrative component, a...P, "Vendor 2", etc.
each represent a service or product. Operation 26 is performed by
determining a plurality of network products or services relating to
14
components of a current network...

...indicia coding may be used to differentiate between base capabilities
and technologies, indicate support for *Internet* Protocol, and/or convey
any other aspect of implementation of technology. The present invention
thus...partners deliver other 3rd party
PACs that can be purchased from partners directly.

1 8

Internet Mail A family of *Internet* mail server products that securely
handles

mail messages in a variety of formats. SIMS also...

...for the UNIX sendmail program which has been the target of frequent
system break-ins.

Internet News 1. Targeted for *internet* service providers, the
Internet News

1.2 Server is a full-featured news server which offers user-focused
Server interfaces, streamed feeder/reader design, web-based installation

15/AZ, TI/1 (Item 1 from file: 348)
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01318489
A network portal system and methods
Netzwerkzugangssystem und -verfahren
Portique de reseau et procede associe

15/AZ, TI/2 (Item 2 from file: 348)
DIALOG(R) File 348: (c) 2003 European Patent Office. All rts. reserv.

01248133
METHOD FOR DETERMINING SOFTWARE AND PROCESSOR
METHODE ZUR SOFTWARE- UND PROZESSORERKENNUNG
PROC D PERMETTANT DE D TERMINER UN LOGICIEL ET UN PROCESSEUR

15/AZ, TI/3 (Item 3 from file: 349)
DIALOG(R) File 349: (c) 2003 WIPO/Univentio. All rts. reserv.

00984070
PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
CARTOUCHE D'IMPRESSION A IDENTIFICATION DE CODE A BARRES

15/AZ, TI/4 (Item 4 from file: 349)
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00944599
HUMAN SERINE/THREONINE KINASE
PROTEINES SECRETEES HUMAINES

15/AZ, TI/5 (Item 5 from file: 349)
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00909145
PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE

15/AZ, TI/6 (Item 6 from file: 349)
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00864262
WHOLE CELL ENGINEERING BY MUTAGENIZING A SUBSTANTIAL PORTION OF A STARTING
GENOME, COMBINING MUTATIONS, AND OPTIONALLY REPEATING
INGENIERIE CELLULAIRE COMPLETE PAR MUTAGENESE D'UNE PARTIE SUBSTANTIELLE
D'UN GENOME DE DEPART, PAR COMBINAISON DE MUTATIONS ET EVENTUELLEMENT
REPETITION

15/AZ, TI/7 (Item 7 from file: 349)
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00836144
NETWORKED INTERACTIVE TOY SYSTEM
SYSTEME DE JOUETS INTERACTIFS EN RESEAU

15/AZ, TI/8 (Item 8 from file: 349)
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00806392

TECHNOLOGY. SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE
DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RÉSEAUTÉE, ET
PROCÉDÉ ASSOCIÉ

15/AZ, TI/9 (Item 9 from file: 349)

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00806389

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE
AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT
PROGRAMMATION ET PLANIFICATION ANTICIPÉE, ET GESTION PROACTIVE AU COURS DE
LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAÎNE
D'APPROVISIONNEMENT RÉSEAUTÉE

15/AZ, TI/10 (Item 10 from file: 349)

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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING
DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT
AND METHOD THEREOF
PLANIFICATION EN COLLABORATION DES CAPACITÉS ET GESTION ANTICIPÉE DES
STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN
ENVIRONNEMENT DE CHAÎNE D'APPROVISIONNEMENT FONDÉE SUR LE RÉSEAU ET
PROCÉDÉ ASSOCIÉ

15/AZ, TI/11 (Item 11 from file: 349)

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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A
MARKET SPACE INTERFACE
PROCÉDÉ DE MISE À DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE
PLURALITÉ DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ

15/AZ, TI/12 (Item 12 from file: 349)

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00777016

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTAINING DATA IN AN
E-COMMERCE BASED TECHNICAL ARCHITECTURE
SYSTÈME, PROCÉDÉ ET ARTICLE MANUFACTURE DE MAINTIEN DES DONNÉES DANS UNE
ARCHITECTURE TECHNIQUE DE COMMERCE ÉLECTRONIQUE

15/AZ, TI/13 (Item 13 from file: 349)

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00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTÈME, PROCÉDÉ ET ARTICLE MANUFACTURE DESTINÉS À LA FOURNITURE PAR PHASES
DE COMPOSANTS D'UN SYSTÈME NÉCESSAIRES À L'APPLICATION D'UNE TECHNIQUE

15/AZ, TI/14 (Item 14 from file: 349)
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00432616

A COMMUNICATION SYSTEM ARCHITECTURE
SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE
COMMUNICATION